

MOISTURE CURABLE BALLOON MATERIALS

ABSTRACT OF THE INVENTION

The present invention relates to a catheter device having a dilatation
5 balloon formed from a polymeric material crosslinked by moisture through --Si--O--Si--
linkages, and to a method of making the same. The polymeric material is formed by
reacting at least one organofunctional hydrolyzable silane with at least one polymer.
The crosslinked polymeric structure is ideal for forming more resilient and durable
catheter balloons. In particular, the catheter balloons have excellent abrasion resistance.

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